Section 1 - Product and Company Information

Product Name          RHODAMINE B ISOTHIOCYANATE, MIXTURE OF ISOMERS
Product Number        283924
Brand                 ALDRICH
Company               Sigma-Aldrich
Address               3050 Spruce Street
                       SAINT LOUIS MO 63103 US
Technical Phone:       800-325-5832
Fax:                  800-325-5052
Emergency Phone:      314-776-6555

Section 2 - Composition/Information on Ingredient

Substance Name        RHODAMINE B ISOTHIOCYANATE >70%
CAS #                 36877-69-7
SARA 313              No
Formula               C29H30ClN3O3S

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Harmful.
Harmful by inhalation, in contact with skin and if swallowed.
Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation.
Lachrymator.

HMIS RATING
HEALTH: 3*
FLAMMABILITY: 0
REACTIVITY: 1

NFPA RATING
HEALTH: 3
FLAMMABILITY: 0
REACTIVITY: 1
*additional chronic hazards present.

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

ORAL EXPOSURE
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE
If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
DERMAL EXPOSURE
In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

EYE EXPOSURE
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

FLASH POINT
N/A

AUTOIGNITION TEMP
N/A

FLAMMABILITY
N/A

EXTINGUISHING MEDIA
Suitable: Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING
Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL
Evacuate area.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)
Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

HANDLING
User Exposure: Do not breathe dust. Do not get in eyes, on skin, on clothing.

STORAGE
Suitable: Keep tightly closed. Store under nitrogen.

SPECIAL REQUIREMENTS
Light sensitive. Moisture sensitive.

Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS
Safety shower and eye bath. Use only in a chemical fume hood.
PERSONAL PROTECTIVE EQUIPMENT
Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.
Hand: Compatible chemical-resistant gloves.
Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES
Wash thoroughly after handling. Remove and wash contaminated clothing promptly.

Section 9 - Physical/Chemical Properties

<table>
<thead>
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<tbody>
<tr>
<td>Property</td>
<td>Value</td>
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<td>pH</td>
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<td>MP/MP Range</td>
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<td>Explosion Limits</td>
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<tr>
<td>Solubility</td>
<td>N/A</td>
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</table>

N/A = not available

Section 10 - Stability and Reactivity

STABILITY
Stable: Stable.
Conditions of Instability: May decompose on exposure to moist air or water.
Conditions to Avoid: Light.
Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides.
HAZARDOUS POLYMERIZATION
  Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

ROUTE OF EXPOSURE
  Skin Contact: Causes skin irritation.
  Skin Absorption: Harmful if absorbed through skin.
  Eye Contact: Causes eye irritation. Lachrymator.
  Inhalation: Material is irritating to mucous membranes and upper
  respiratory tract. Harmful if inhaled.
  Ingestion: Harmful if swallowed.

SENSITIZATION
  Respiratory: May cause allergic respiratory reaction.

SIGNS AND SYMPTOMS OF EXPOSURE
  Symptoms of exposure may include burning sensation, coughing,
  wheezing, laryngitis, shortness of breath, headache, nausea, and
  vomiting.

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION
  Contact a licensed professional waste disposal service to dispose
  of this material. Observe all federal, state, and local
  environmental regulations.

Section 14 - Transport Information

DOT
  Proper Shipping Name: Aviation Regulated Solid, N.O.S.
  UN#: 3335
  Class: 9
  Packing Group: Packing Group III
  Hazard Label: Class 9
  PIH: Not PIH

IATA
  Proper Shipping Name: Aviation Regulated Solid, N.O.S.
  IATA UN Number: 3335
  Hazard Class: 9

Section 15 - Regulatory Information

EU ADDITIONAL CLASSIFICATION
  Symbol of Danger: Xn
  Indication of Danger: Harmful.
  R: 20/21/22-36/37/38-42
  Risk Statements: Harmful by inhalation, in contact with skin and
  if swallowed. Irritating to eyes, respiratory system and skin.
  May cause sensitization by inhalation.
  S: 22-26-45
  Safety Statements: Do not breathe dust. In case of contact with
  eyes, rinse immediately with plenty of water and seek medical
  advice. In case of accident or if you feel unwell, seek medical
  advice immediately (show the label where possible).
US CLASSIFICATION AND LABEL TEXT
Indication of Danger: Harmful.
Risk Statements: Harmful by inhalation, in contact with skin and
if swallowed. Irritating to eyes, respiratory system and skin.
May cause sensitization by inhalation.
Safety Statements: Do not breathe dust. In case of contact with
eyes, rinse immediately with plenty of water and seek medical
advice. In case of accident or if you feel unwell, seek medical
advice immediately (show the label where possible).
US Statements: Lachrymator.

UNITED STATES REGULATORY INFORMATION
SARA LISTED: No

CANADA REGULATORY INFORMATION
WHMIS Classification: This product has been classified in
accordance with the hazard criteria of the CPR, and the MSDS
contains all the information required by the CPR.
DSL: No
NDSL: Yes

Section 16 - Other Information

DISCLAIMER
For R&D use only. Not for drug, household or other uses.

WARRANTY
The above information is believed to be correct but does not
purport to be all inclusive and shall be used only as a guide. The
information in this document is based on the present state of our
knowledge and is applicable to the product with regard to
appropriate safety precautions. It does not represent any
guarantee of the properties of the product. Sigma-Aldrich Inc.,
shall not be held liable for any damage resulting from handling or
from contact with the above product. See reverse side of invoice
or packing slip for additional terms and conditions of sale.
Copyright 2008 Sigma-Aldrich Co. License granted to make unlimited
paper copies for internal use only.
1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Fluorescein isothiocyanate isomer I

Product Number : F7250
Brand : Sigma

Company : Sigma-Aldrich
3050 Spruce Street
SAINT LOUIS MO 63103
USA

Telephone : +1 800-325-5832
Fax : +1 800-325-5052
Emergency Phone # : (314) 776-6555

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : FITC
Fluorescein 5-isothiocyanate

Formula : C21H11NO5S
Molecular Weight : 389.39 g/mol

<table>
<thead>
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<th>EC-No.</th>
<th>Index-No.</th>
<th>Concentration</th>
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<tbody>
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<td>222-042-0</td>
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</table>

3. HAZARDS IDENTIFICATION

Emergency Overview
OSHA Hazards
Target Organ Effect
Skin and respiratory sensitizer
Target Organs
Central nervous system, Lungs

HMIS Classification
Health Hazard: 3
Chronic Health Hazard: *
Flammability: 0
Physical hazards: 1

NFPA Rating
Health Hazard: 3
Fire: 0
Reactivity Hazard: 1

Potential Health Effects
4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Flammable properties
Flash point no data available
Ignition temperature no data available

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions
Do not let product enter drains.

Methods for cleaning up
Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling
Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage
Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

Moisture sensitive.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves.

Eye protection
Safety glasses

Skin and body protection
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Form  powder

Safety data
pH  no data available
Melting point  360 °C (680 °F)
Boiling point  no data available
Flash point  no data available
Ignition temperature  no data available
Lower explosion limit  no data available
Upper explosion limit  no data available
Water solubility  no data available

10. STABILITY AND REACTIVITY

Storage stability
Stable under recommended storage conditions.

Conditions to avoid
Heat. Exposure to moisture.

Materials to avoid
Alcohols, Strong bases, Amines, acids, Strong oxidizing agents

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Sulphur oxides

11. TOXICOLOGICAL INFORMATION
Acute toxicity
no data available

Irritation and corrosion
no data available

Sensitisation
May cause allergic respiratory and skin reactions

Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs and Symptoms of Exposure
Repeated exposure may cause asthma, Nausea, Dizziness, Headache, Lung irritation. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

- **Inhalation**: May be harmful if inhaled. May cause respiratory tract irritation.
- **Skin**: May be harmful if absorbed through skin. May cause skin irritation.
- **Eyes**: May cause eye irritation.
- **Ingestion**: May be harmful if swallowed.
- **Target Organs**: Central nervous system, Lungs,

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)
no data available

Ecotoxicity effects
no data available

Further information on ecology
no data available

13. DISPOSAL CONSIDERATIONS

Product
Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods

**IMDG**
Not dangerous goods

**IATA**
Not dangerous goods

### 15. REGULATORY INFORMATION

**OSHA Hazards**
Target Organ Effect, Skin and respiratory sensitizer

**TSCA Status**
On TSCA Inventory

**DSL Status**
All components of this product are on the Canadian DSL list.

**SARA 302 Components**
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**
Chronic Health Hazard

**Massachusetts Right To Know Components**
No Components Listed

**Pennsylvania Right To Know Components**

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>3326-32-7</td>
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</tbody>
</table>

**New Jersey Right To Know Components**

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>3326-32-7</td>
<td></td>
</tr>
</tbody>
</table>

**California Prop. 65 Components**
This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

### 16. OTHER INFORMATION

**Further information**
Copyright 2007 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Co., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.
1. Identification of the substance/preparation and of the company/undertaking

Product name : Fmoc-Pro-OH
Chemical formula : C_{12}H_{14}N_{2}O_{3}
Synonym : N-alpha-Fmoc-L-proline

Catalog #: 04-12-1031
Supplier : Manufactured by Merck Biosciences AG
Weidnattweg 4
CH-4448 Läufelfingen
Switzerland
+41 62 285 2525
Fax: +41 62 285 2520
EMD Biosciences, Inc.
P.O. Box 12087
La Jolla, CA 92039-2087
(656) 450-5568/(800) 854-3417
Fax: (858) 453-3552

Emergency telephone number : Call Chemtrec:
(800) 354-4900 (within U.S.A.,)
(793) 557-3887 (outside U.S.A.,)

2. Composition / information on ingredients

<table>
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<th>Substance / Preparation</th>
<th>Substance</th>
<th>CAS No</th>
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3. Hazards identification

Physical / chemical hazards : Not applicable.

4. First-aid measures

First-Aid measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin Contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Eye Contact : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Aggravating conditions : Repeated or prolonged exposure is not known to aggravate medical condition.

5. Fire-fighting measures

Flammability of the Product : May be combustible at high temperature.
Extinguishing Media

Suitable : SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Hazardous thermal (de)composition products : These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).

Special fire-fighting procedures : Firefighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Protection of fire-fighters : Be sure to use an approved/certified respirator or equivalent.
6. Accidental release measures

Personal precautions:
- Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.
- Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
- Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. Handling and storage

Storage:
- Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust.
- Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 20°C (68°F).

8. Exposure controls/personal protection

Engineering measures:
- Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Hygiene measures:
- Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

9. Physical and chemical properties

Physical state:
- Solid.

Molecular Weight:
- 337.4 g/mole

10. Stability and reactivity

Stability:
- The product is stable.

Trends to avoid:
- Not available.

Hazardous Decomposition Products:
- These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...).

11. Toxicological information

CAS #:
- N/A

Toxic effects:
- Skin irritation: Not available.
- LD50: Not available.
- LC50: Not available.
- Repeated or prolonged exposure is not known to aggravate medical condition.
- Not available.

Other Toxic Effects on Humans:
- No specific information is available in our database regarding the other toxic effects of this material for humans.
- Not available.
To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.

12. Ecological information

Ecotoxicity: Not available.
Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

13. Disposal considerations

Methods of disposal; Waste of residues; Contaminated packaging: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

International transport regulations

- Road/Railway:
  - ADR/RID Class: Not controlled under ADR (Europe).
  - IMDG Class: Not controlled under IMDG.
- Air:
  - IATA-DGR Class: Not controlled under IATA.
  - Special Provisions for transport: Not applicable.

15. Regulatory information

Regulations

- Risk Phrases:
- TSCA: No products were found.
SARA 302/303/311/312 extremely hazardous substances: No products were found.
SARA 302/303 emergency planning and notification: No products were found.
SARA 302/303 hazardous chemicals: No products were found.
SARA 313 toxic chemical notification and release reporting: No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean air act (CAA) 112 accidental release prevention: No products were found.
Clean air act (CAA) 112 regulated flammable substances: No products were found.
Clean air act (CAA) 112 regulated toxic substances: No products were found.

HCS Classification

- State Regulations

- WHMIS (Canada): Not controlled under WHMIS (Canada).

No products were found.

16. Other information

Hazardous Material Information System (U.S.A.)

<table>
<thead>
<tr>
<th>Hazardous Material Information System (U.S.A.)</th>
<th>National Fire Protection Association (U.S.A.)</th>
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<tr>
<td>Reactivity</td>
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</tr>
<tr>
<td>Personal Protection</td>
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</table>

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. **This product is intended for research use only.**
SAFETY DATA SHEET

1. Identification of the substance/preparation and of the company/undertaking

Product name: Universal NovaTag™ resin
Catalog #: 04-12-3910
Supplier: Manufactured by Merck Biosciences AG
Weidenmattweg 4
CH-4448 Läufelfingen
Switzerland
+41 62 285 2525
FAX: +41 62 286 2520
EMD Biosciences, Inc.
P.O. Box 12087
La Jolla, CA 92039-2087
(858) 450-5558/(800) 854-3417
FAX: (668) 453-3052

CAS name: N-Fmoc-N'-Mmt-ethylenediamine-MPB-AM resin

Emergency telephone number: Call Chemtrec®
(800) 424-9300 (within U.S.A.)
(703) 227-3987 (outside U.S.A.)

2. Composition / information on ingredients

<table>
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<th>Substance/Preparation</th>
<th>CAS No.</th>
<th>EC Number</th>
<th>Symbol</th>
<th>R-Phrases</th>
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3. Hazards identification

Physical/chemical hazards: Not applicable.
Human health hazards: No specific hazard.

4. First-aid measures

First-Aid measures

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Aggravating conditions: Repeated or prolonged exposure is not known to aggravate medical condition.

5. Fire-fighting measures

Stability of the Product: May be combustible at high temperature.

Extinguishing Media

Suitable: SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special fire-fighting procedures: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Protection of fire-fighters: Be sure to use an approved/certified respirator or equivalent.

Catalog #: 04-12-3910

Page: 1/3
6. Accidental release measures

Personal precautions:

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Small Spill and Leak:

Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill and Leak:

Use a shovel to put the material into a convenient waste disposal container.

7. Handling and storage

Handling:

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust.

Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above -20°C (-4°F).

Recommended use:

Use original container.

8. Exposure controls/personal protection

Engineering measures:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Hygiene measures:

Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Ingredient Name:

Universal NovaTag™ resin

Occupational Exposure Limits

Not available.

Personal protective equipment:

Skin and body:
Lab coat.

Eyes:
Safety glasses.

Protective Clothing (Picograms):

9. Physical and chemical properties

Physical state:
Solid.

Color:
Not available.

Molecular Weight:
Not available.

Stability:
Not available.

Flash point:
Not available.

Vapor pressure:
Risks of explosion of the product in presence of mechanical impact. Not available.
Risks of explosion of the product in presence of static discharge: Not available.

10. Stability and reactivity

Stability:
The product is stable.

Conditions to avoid:
Not available.

11. Toxicological information

LC/EC values:
Not available.

Acute effects:
Skin irritation:
Not available.

Eye Toxicity:
LD50: Not available.

Chronic toxicity:
LC50: Not available.

Repealed or prolonged exposure is not known to aggravate medical condition.

Other Toxic Effects on Humans:
Not available.

No specific information is available in our database regarding the other toxic effects of this material for humans.

To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.

Carcinogenic effects:
Not available.
12. Ecological information

Toxicity: Not available.
Toxicity of the Products of Degradation: Not available.

13. Disposal considerations

Methods of disposal; Waste of residues; Contaminated packaging: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

International transport regulations
- Road/Railway:
  - ADR/RID Class: Not controlled under ADR (Europe).
  - IMDG Class: Not controlled under IMDG.
  - IATA-DGR Class: Not controlled under IATA. Not applicable.

15. Regulatory information

Regulations
- Risk Phrases: This product is not classified according to the EU regulations.
- SARA 302/304/311/312 extremely hazardous substances: No products were found.
- SARA 302/304 emergency planning and notification: No products were found.
- SARA 302/304/311/312 hazardous chemicals: No products were found.
- SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
- SARA 313 toxic chemical notification and release reporting: No products were found.
- Clean Water Act (CWA) 307: No products were found.
- Clean Water Act (CWA) 311: No products were found.
- Clean air act (CAA) 112 accidental release prevention: No products were found.
- Clean air act (CAA) 112 regulated flammable substances: No products were found.
- Clean air act (CAA) 112 regulated toxic substances: No products were found.
- HCS Classification: Not controlled under the HCS (United States).

16. Other information

Hazardous Material Information System (U.S.A.)
- Health: 0
- Fire Hazard: 1
- Reactivity: 0
- Personal Protection: A

National Fire Protection Association (U.S.A.)

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